

Contents

- Alberte RS → Koehl MAR
 Allmon RA, Sebens KP: Feeding biology and ecological impact of an introduced nudibranch, *Tritonia plebeia*, New England, USA 375
 Andersen FØ, Kristensen E: The influence of macrofauna on estuarine benthic community metabolism: a microcosm study 591
 Anger K: Growth and elemental composition (C, N, H) in *Inachus dorsettensis* (Decapoda: Majidae) larvae reared in the laboratory 255
 Ayre DJ, Willis BL: Population structure in the coral *Pavona cactus*: clonal genotypes show little phenotypic plasticity 495
 Babcock RC → Stoddart JA
 Båmstedt U, Tande K: Physiological responses of *Calanus finmarchicus* and *Metridia longa* (Copepoda: Calanoida) during the winter-spring transition 31
 Barnes A → Lester RJG
 Bayne BL → Day AJ
 Bedo A → Head EJH
 Berggreen U, Hansen B, Kjørboe T: Food size spectra, ingestion and growth of the copepod *Acartia tonsa* during development: implications for determination of copepod production 341
 Beukema JJ: An evaluation of the ABC-method (abundance/biomass comparison) as applied to macrozoobenthic communities living on tidal flats in the Dutch Wadden Sea 425
 Bianchi TS, Rice DL: Feeding ecology of *Leitoscoloplos fragilis*. II. Effects of worm density on benthic diatom production 123
 Blaber SJM → Young JW
 Bosch I → McClintock JB
 Botton ML, Loveland RE, Jacobsen TR: Beach erosion and geochemical factors: influence on spawning success of horseshoe crabs (*Limulus polyphemus*) in Delaware Bay 325
 Bulman CM → Young JW
 Canicatti C, Grasso M: Biodepressive effect of zinc on humoral effector of the *Holothuria polii* immune response 393
 Cardell MJ, Gili JM: Distribution of a population of annelid polychaetes in the "trottoir" of the midlittoral zone on the coast of North-East Spain, Western Mediterranean 83
 Catalano E → Vitturi R
 Chang K-H → Run J-Q
 Chardy P, Clavier J: Biomass and trophic structure of the macrobenthos in the south-west lagoon of New Caledonia 195
 Chen C-P → Run J-Q
 Chia F-S → Run J-Q
 Clavier J → Chardy P
 Clayton DA: Hood construction as a spacing mechanism in *Cleistostoma kuwaitense* (Crustacea: Ocypodidae) 57
 Cockcroft AC, Webb P, Wooldridge T: Nitrogen regeneration by two surf-zone mysids, *Mesopodopsis slabberi* and *Gastrosaccus psammodytes* 75
 Costelloe J: Reproductive cycle, development and recruitment of two geographically separated populations of the dendrochirote holothurian *Aslia lefevrei* 535
 Dalpadado P, Gjørsæter J: Feeding ecology of the lanternfish *Benthoosema pterotum* from the Indian Ocean 555
 Davis LH → Stoecker DK
 Day AJ, Bayne BL: Allozyme variation in populations of the dog-whelk *Nuccella lapillus* (Prosobranchia: Muricea) from the South West peninsula of England 93
 Deibel D: Filter feeding by *Oikopleura vanhoefeni*: grazing impact on suspended particles in cold ocean waters 177
 Dixon P → Williams D McB
 Doumenc D → Ferrand JG
 English S → Williams D McB
 Erez J → Kuile B ter
 Erri Babu D: "Glandular pockets" of the integument and feeding mechanism in *Pagurus bernhardus* (Crustacea: Anomura) 315
 Evans K → Lester RJG
 Ferrand JG, Vadon C, Doumenc D, Guille A: The effect of depth on the reproductive cycle of *Brissopsis lyrifera* (Echinoidea, Echinodermata) in the Gulf of Lions, Mediterranean Sea 387
 Flint MV → Sukhanova IN
 Fraser AJ, Gamble JC, Sargent JR: Changes in lipid content, lipid class composition and fatty acid composition of developing eggs and unfed larvae of cod (*Gadus morhua*) 307
 Fukuhara O: Morphological and functional development of larval and juvenile *Limanda yokohamae* (Pisces: Pleuronectidae) reared in the laboratory 271
 Gamble JC → Fraser AJ
 Germann I: Effects of the 1983-El Niño on growth and carbon and nitrogen metabolism of *Pleurophycus gardneri* (Phaeophyceae: Laminariales) in the northeastern Pacific 445
 Gili JM → Cardell MJ
 Gjørsæter J → Dalpadado P
 Gnassia-Barelli M → Roméo M
 Grasso M → Canicatti C
 Grieshaber M → Schöttler U
 Guille A → Ferrand JG
 Hamner WM → Strand SW
 Hanisak MD, Littler MM, Littler DS: Significance of macroalgal polymorphism: intraspecific tests of the functional-form model 157
 Hansen B → Berggreen U
 Harris LR → Head EJH
 Hart MW, Scheibling RE: Heat waves, baby booms, and the destruction of kelp beds by sea urchins 167
 Hassett RP, Landry MR: Short-term changes in feeding and digestion by the copepod *Calanus pacificus* 63
 Head EJH, Bedo A, Harris LR: Grazing, defecation and excretion rates of copepods from inter-island channels of the Canadian Arctic archipelago 333
 Heffernan P, Keegan BF: Quantitative and ultrastructural studies on the reproductive biology of the polychaete *Pholoe minuta* in Galway Bay 203
 Heyward AJ → Stoddart JA
 Hibaum G → Sukhanova IN
 Hill AD → Spicer JI
 Hirano R → Uchima M
 Ichikawa S → Nishimura K
 Ishikawa M → Nakamura M
 Jaccarini V → Ruwa RK
 Jacobsen TR → Botton ML
 Johannesson K: The paradox of Rockall: why is a brooding gastropod (*Littorina saxatilis*) more widespread than one having a planktonic larval dispersal stage (*L. littorea*)? 507
 Jørgensen CB, Riisgård HU: Gill pump characteristics of the soft clam *Mya arenaria* 107
 Karamfilov V → Sukhanova IN
 Keegan BF → Heffernan P
 Kinzer J, Schulz K: Vertical distribution and feeding patterns of midwater fish in the central equatorial Atlantic. II. Sternoptychidae 261
 Kjørboe T → Berggreen U
 Koehl MAR, Alberte RS: Flow, flapping, and photosynthesis of *Nereocystis luetkeana*: a functional comparison of undulate and flat blade morphologies 435
 Koehn RK → McDonald JH
 Kopylov AI → Sukhanova IN
 Kristensen E → Andersen FØ
 Kuile B ter, Erez J: The size and function of the internal inorganic carbon pool of the foraminifer *Amphistegina lobifera* 481
 Landry MR → Hassett RP
 Lawrence JM, McClintock JB: Allocation of organic material and energy to the holdfast, stipe, and fronds in *Postelsia palmaeformis* (Phaeophyta: Laminariales) on the California coast 151
 Lessios HA: Population dynamics of *Diadema antillarum* (Echinodermata: Echinoidea) following mass mortality in Panamá 515
 Lester RJG, Sewell KB, Barnes A, Evans K: Stock discrimination of orange roughy, *Hoplostethus atlanticus*, by parasite analysis 137

- Littler DS → Hanisak MD
 Littler MM → Hanisak MD
 Leonart J → Palomera I
 Lobel PB, Marshall HD: A unique low molecular weight zinc-binding ligand in the kidney cytosol of the mussel *Mytilus edulis*, and its relationship to the inherent variability of zinc accumulation in this organism 101
 Loveland RE → Botton ML
 Lynn DH → Montagnes DJS
- Marsden JR: Light responses of the larva of the serpulid polychaete *Galeolaria caespitosa* 397
 Marshall HD → Lobel PB
 Matveeva E → Sukhanova IN
 McClintock JB → Lawrence JM
 McClintock JB, Pearce JS, Bosch I: Population structure and energetics of the shallow-water antarctic sea star *Odonaster validus* in contrasting habitats 235
 McDonald JH, Koehn RK: The mussels *Mytilus galloprovincialis* and *M. trossulus* on the Pacific coast of North America 111
 Meikle P, Richards GN, Yellowlees D: Structural investigations on the mucus from six species of coral 187
 Menez LAB → Mingoa SSM
 Michaels AE → Stoecker DK
 Mingoa SSM, Menez LAB: A comparison of two benthic survey methods 133
 Montagnes DJS, Lynn DH, Roff JC, Taylor WD: The annual cycle of heterotrophic planktonic ciliates in the waters surrounding the Isles of Shoals, Gulf of Maine: an assessment of their trophic role 21
 Morales-Nin B → Palomera I
 Morse MP → Sullivan PA
 Muehlstein LK, Porter D, Short FT: *Labyrinthula* sp., a marine slime mold producing the symptoms of wasting disease in eelgrass, *Zostera marina* 465
 Murano M → Uchima M
- Nagaraj M: Combined effects of temperature and salinity on the complete development of *Eurytemora velox* (Crustacea: Calanoidea) 353
 Nakamura M, Yamamuro M, Ishikawa M, Nishimura H: Role of the bivalve *Corbicula japonica* in the nitrogen cycle in a mesohaline lagoon 369
 Nishimura H → Nakamura M
 Nishimura K, Yasunaga T, Ichikawa S, Wakao Y: Development of a new antifouling method for a marine cooling water system 145
- Palomera I, Morales-Nin B, Leonart J: Larval growth of anchovy, *Engraulis encrasicolus*, in the Western Mediterranean Sea 283
 Pearce JS → McClintock JB
 Porter D → Muehlstein LK
 Pregnall AM → Roth NC
- Rat'kova TN → Sukhanova IN
 Reed RH → Wright PJ
 Rice DL → Bianchi TS
 Richards GN → Meikle P
 Riisgård HU → Jørgensen CB
 Robinson WE → Sullivan PA
 Roff JC → Montagnes DJS
 Roméo M, Gnassia-Barelli M: *Donax trunculus* and *Venus verrucosa* as bioindicators of trace metal concentrations in Mauritanian coastal waters 223
 Rosecchi E, Tracey DM, Webber WR: Diet of orange roughy, *Hoplostethus atlanticus* (Pisces: Trachichthyidae) on the Challenger Plateau, New Zealand 293
 Roth NC, Pregnall AM: Nitrate reductase activity in *Zostera marina* 457
 Run J-Q, Chen C-P, Chang K-H, Chia F-S: Mating behavior and reproductive cycle of *Archaster typicus* (Echinodermata: Asteroidea) 247
 Ruwa RK, Jaccarini V: Nocturnal feeding migrations of *Nerita plicata*, *N. undata* and *N. textilis* (Prosobranchia: Neritacea) on the rocky shores at Mkomani, Mombasa, Kenya 229
- Sargent JR → Fraser AJ
 Sazhin AF → Sukhanova IN
 Scheibling RE → Hart MW
 Schöttler U, Grieshaber M: Adaptation of the polychaete worm *Scoloplos armiger* to hypoxic conditions 215
 Schulz K → Kinzer J
 Sebens KP → Allmon RA
 Sewell KB → Lester RJG
 Short FT → Muehlstein LK
 Silver MW → Stoecker DK
 Spero HJ: Ultrastructural examination of chamber morphogenesis and biomineralization in the planktonic foraminifer *Orbulina universa* 9
 Spicer JJ, Taylor AC, Hill AD: Acid-base status in the sea urchins *Psammechinus miliaris* and *Echinus esculentus* (Echinodermata: Echinoidea) during emersion 527
 Stoddart JA, Babcock RC, Heyward AJ: Self-fertilization and maternal enzymes in the planulae of the coral *Goniastrea favulus* 489
 Stoecker DK, Silver MW, Michaels AE, Davis LH: Obligate mixotrophy in *Laboea strobila*, a ciliate which retains chloroplasts 415
- Strand SW, Hamner WM: Predatory behavior of *Phacellophora camtschatica* and size-selective predation upon *Aurelia aurita* (Scyphozoa: Cnidaria) in Saanich Inlet, British Columbia 409
 Sukhanova IN, Flint MV, Hibaum G, Karamfilov V, Kopylov AI, Matveeva E, Rat'kova TN, Sazhin AF: *Exuviaella cordata* red tide in Bulgarian coastal waters (May to June 1986) 1
 Sullivan PA, Robinson WE, Morse MP: Isolation and characterization of granules from the kidney of the bivalve *Mercentaria mercenaria* 359
- Tande K → Båmstedt U
 Taylor AC → Spicer JJ
 Taylor WD → Montagnes DJS
 Tracey DM → Rosecchi E
- Uchima M, Hirano R: Swimming behavior of the marine copepod *Oithona davisae*: internal control and search for environment 47
 Uchima M, Murano M: Mating behavior of the marine copepod *Oithona davisae* 39
- Vadon C → Ferrand JG
 Vitturi R, Catalano E: Karyotypes in two species of the genus *Hippocampus* (Pisces: Syngnathiformes) 119
- Wakao Y → Nishimura K
 Wayte SE → Young JW
 Webb P → Cockcroft AC
 Webber WR → Rosecchi E
 Williams D, McB, Dixon P, English S: Cross-shelf distribution of copepods and fish larvae across the central Great Barrier Reef 577
 Willis BL → Ayre DJ
 Wooldridge T → Cockcroft AC
 Wright PJ, Reed RH: Method for determination of turgor pressure in macroalgae, with particular reference to the Phaeophyta 473
- Yamamuro M → Nakamura M
 Yano I: Oocyte development in the kuruma prawn *Penaeus japonicus* 547
 Yasunaga T → Nishimura K
 Yellowlees D → Meikle P
 Young JW, Bulman CM, Blaber SJM, Wayte SE: Age and growth of the lanternfish *Lampanyctodes hectoris* (Myctophidae) from eastern Tasmania, Australia 569

Indexed in Current Contents

